

WHAT IS CLAIMED IS:

1. A system for monitoring resources within a build to order manufacturing facility comprising:

5 a remote monitoring system coupled to one or more pieces of equipment within the manufacturing facility operable to produce build to order products;

10 the remote monitoring system communicatively coupled to a control center operable to display status information associated with using the one or more pieces of equipment; and

15 the monitoring system operable to determine an operating status of the one or more pieces of equipment relative to a ship criteria associated with producing the build to order products.

2. The system of Claim 1 further comprising plural pieces of equipment operably associated with one or more locations within the manufacturing facility.

20 3. The system of Claim 2 further comprising an aggregator operably coupled to one or more information sources associated with the control center, the aggregator operable to consolidate real-time information relating to the status information.

25 4. The system of Claim 1 further comprising one or more remote access terminals within the manufacturing facility operable to provide access to the remote monitoring system.

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5. The system of Claim 1 further comprising a simulator communicatively coupled to the remote monitoring system and operable to simulate allocating resources based on an error associated with the one or  
5 more pieces of equipment.

6. The system of Claim 1 further comprising a network interface communicatively coupled to one or more of the pieces of equipment and operable to communicate  
10 information in real-time to provide the operating status associated with the one or more pieces of equipment.

7. The system of Claim 1 further comprising a process monitor operable to monitor a process that uses  
15 the one or more pieces of equipment.

8. A method for monitoring resources within a build to order manufacturing facility comprising:

accessing information resources for selective portions of a manufacturing facility, the resources  
5 associated with one or more pieces of equipment remotely located from a control center for the manufacturing facility operable to produce build to order products;

determining an operating status of the one ore more pieces of equipment relative to a ship criteria  
10 associated with manufacturing the products; and

displaying the status within a user interface of the control center.

9. The method of Claim 8 further comprising:

15 accessing a log to obtain information for monitoring the equipment;

determining if an error has occurred with one of the pieces of equipment;

notifying the control center of the error; and

20 updating the status for the piece of equipment.

10. The method of Claim 9 further comprising:

determining a reallocation of resources within the facility using a one or more WIP profiles;

25 reallocating the resources in response to the equipment encountering the error.

11. The method of Claim 8 further comprising providing information in real-time from remote locations  
30 within the manufacturing facility.

12. The method of Claim 8 further comprising  
automatically reallocating resources upon determining an  
error associated with a malfunctioning piece of  
5 equipment.

13. The method of Claim 12 further comprising  
routing product to a different portion of the  
manufacturing facility in response to determining the  
10 error.

14. The method of Claim 8 further comprising  
associating a process with the one or more pieces of  
equipment to provide a process monitor.  
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15. A medium including encoded logic for monitoring resources within a build to order manufacturing facility comprising the logic operable to:

access information resources for selective  
5 portions of a manufacturing facility, the resources associated with one or more pieces of equipment remotely located from a control center for the manufacturing facility operable to produce build to order products;

determine an operating status of the one ore  
10 more pieces of equipment relative to a ship criteria associated with manufacturing the products; and

display the status within a user interface of the control center.

16. The medium of Claim 15 further comprising logic operable to:

access a log to obtain information for monitoring the equipment;

determine if an error has occurred with one of  
20 the pieces of equipment;

notify the control center of the error; and

update the status for the piece of equipment.

17. The medium of Claim 16 further comprising logic  
25 operable to:

determine a reallocation of resources within the facility using a one or more WIP profiles;

reallocate the resources in response to the equipment encountering the error.

18. The medium of Claim 15 further comprising the logic operable to provide information in real-time from remote locations within the manufacturing facility.

5           19. The medium of Claim 15 further comprising logic operable to automatically reallocate resources upon determining an error associated with a malfunctioning piece of equipment.

10           20. The medium of Claim 19 further comprising the logic operable to route product to a different portion of the manufacturing facility in response to determining the error.

15           21. The medium of Claim 15 further comprising logic operable to associate a process with the one or more pieces of equipment to provide a process monitor.